

**WHAT IS CLAIMED IS:**

1. An electric appliance having a control code assigned thereto, and operably connected with a wireless remote control apparatus, comprising: storage means for  
5 storing therein said control code; and transmitting means for transmitting a signal including said control code stored in said storage means to said wireless remote control apparatus, said wireless remote control apparatus having assigned thereto an operation code to be matched with said control code.
- 10 2. An electric appliance as set forth in claim 1, in which said storage means has stored therein a predetermined code as said control code.
3. An electric appliance as set forth in claim 1, further comprising: control code  
15 generating means for generating a code, and in which said storage means is operative to store therein said code generated by said control code generating means as said control code, and said transmitting means is operative to transmit a registration signal including said control code stored in said storage means to said wireless remote control apparatus.
4. An electric appliance as set forth in claim 3, in which said control code  
20 generating means is operative to generate a random number, and said storage means is operative to store therein said random number generated by said control code generating means as said control code.
5. A wireless remote control apparatus having an operation code assigned thereto,  
25 and operably connected with an electric appliance having a control code assigned thereto, comprising: information providing means for providing information indicative of location of said wireless remote control apparatus; storage means for storing therein said operation code; receiving means for receiving a search signal including said control code assigned to said electric appliance from said electric appliance; judging means for  
30 judging whether or not said operation code stored in said storage means is matched with said control code on the basis of said search signal received by said receiving means; and control means for controlling said information providing means to have said information providing means provide information indicative of location of said wireless remote control apparatus based on a result judged by said judging means.  
35
6. A wireless remote control apparatus as set forth in claim 5, in which said

receiving means is operative to receive a registration signal including said control code assigned to said electric appliance from said electric appliance; and said control means is operative to control said storage means to have said storage means store therein said control code as said operation code in response to said registration signal.

5

7. A wireless electric appliance system comprising an electric appliance having assigned thereto a control code, and a wireless remote control apparatus having assigned thereto an operation code to be matched with said control code, said electric appliance being operably connected with said wireless remote control apparatus, said electric  
10 appliance including: storage means for storing therein said control code; and transmitting means for transmitting a signal including said control code stored in said storage means to said wireless remote control apparatus, said wireless remote control apparatus including: storage means for storing therein said operation code; receiving means for receiving said signal including said control code assigned to said electric  
15 appliance from said electric appliance; judging means for judging whether or not said operation code stored in said storage means is matched with said control code of said signal received by said receiving means, and control means for controlling the operation of said wireless remote control apparatus based on a result judged by said judging means.

20

8. A wireless electric appliance system as set forth in claim 7, in which said electric appliance further includes: control code generating means for generating a code, said storage means is operative to store therein said code generated by said control code generating means as said control code, and said transmitting means is operative to  
25 transmit a registration signal including said control code stored in said storage means to said wireless remote control apparatus, and in said wireless remote control apparatus, said receiving means is operative to receive said registration signal including said control code from said electric appliance, and said control means is operative to control said storage means to have said storage means store therein said control code of said  
30 registration signal received by said receiving means as said operation code in response to said registration signal.

9. A wireless electric appliance system as set forth in claim 7, in which said electric appliance further includes: inputting means for inputting a search instruction  
35 therethrough; and control means for controlling said transmitting means to have said transmitting means transmit a search signal including said control code to said wireless

remote control apparatus in response to said search instruction inputted by said inputting means, said wireless remote control apparatus further includes: information providing means for providing information indicative of location of said wireless remote control apparatus; and in said wireless remote control apparatus, said receiving means is operative to receive said search signal including said control code from said electric appliance, said judging means is operative to judge whether or not said operation code stored in said storage means is matched with said control code of said search signal received by said receiving means, and said control means is operative to control said information providing means to have said information providing means provide information indicative of location of said wireless remote control apparatus based on a result judged by said judging means.